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Review Article

Stunting in Indonesia: Current progress and future directions

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Abstract

This narrative review article aims to describe the issue of stunting in Indonesia, a condition from chronic malnutrition that impairs children's growth and development. With a stunting prevalence of approximately 30% among children under five, this problem is a critical concern for policymakers and healthcare providers. The article also reviews various interventions, including programs to enhance nutrition, promote breastfeeding, and improve sanitation. By assessing these existing interventions, health policy strategies and service management enhancements are proposed to reduce stunting rates. It underlines the necessity of a comprehensive approach integrating cross-sector collaboration and community engagement to achieve lasting solutions. The insights provided are crucial for policymakers to refine and enhance intervention strategies, aiming to lessen the long-term health impacts and improve children's well-being in Indonesia.

Keywords

Indonesia; stunting; current progress; future directions; malnutrition; health policy; growth and development

Introduction

Stunting is a significant global public health problem, affecting millions of children worldwide. This condition is characterized by stunted growth and

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development due to chronic malnutrition and inadequate living conditions (De Onis & Branca, 2016). Stunting not only affects physical growth but also has long-term impacts on cognitive development and overall health. Stunting is commonly found in low- and middle-income countries, affecting approximately 22% of children under five worldwide (Ssentongo et al., 2021). This has prompted increased efforts from governments, non-governmental organizations (NGOs), and international bodies to tackle the root causes and implement effective interventions to prevent and treat stunting (Kinyoki et al., 2020). While addressing stunting is crucial, it is also important to consider genetic factors and individual developmental differences when examining children's cognitive and physical growth (Leroy et al., 2020).

Stunting remains a significant public health challenge in Indonesia, affecting approximately 30% of children under five (Mediani, 2020). This high prevalence has serious long-term health and cognitive implications for the nation's future (Mediani et al., 2022). Tackling stunting is crucial not only for the well-being of individual children but also for the overall development and welfare of the country (Titaley et al., 2019). By implementing targeted interventions and policies to address the root causes of stunting, Indonesia can enhance the health and prospects of its young population. Key contributors to the high stunting rates include inadequate nutrition, especially among low-income families, limited access to nutritious foods, poor feeding practices, and a lack of knowledge about proper nutrition.

Poor sanitation, insufficient health services, and limited education exacerbate the problem (Wulandari et al., 2022). A comprehensive approach involving collaboration among government agencies, nonprofit organizations, healthcare providers, and communities is essential. By improving access to nutritious food, promoting proper feeding practices, and providing education on nutrition and hygiene, Indonesia can significantly reduce stunting rates and enhance the health and well-being of its children (Torlesse et al., 2016).

Indonesia has made some progress in reducing stunting rates, yet significant efforts are still required. According to the World Bank, the prevalence of stunting among children under five decreased from 37.2% in 2013 to 27.7% in 2018 (Purwita, 2022). While this is an encouraging trend, it remains distant from the government's target of reducing stunting to 14% by 2024 (Siswati et al., 2022). To expedite progress towards this goal, continuing and expanding interventions that tackle the root causes of stunting (Bhutta et al., 2020). Key strategies include increasing access to health services, promoting breastfeeding and proper feeding practices for infants and children, and raising awareness about the importance of nutrition and hygiene (Wuehler et al., 2011). By building on the momentum of

current initiatives and enhancing collaboration among stakeholders, Indonesia can pave the way for a healthier future for its children (World Bank Group, 2019).

One of the primary strategies for reducing stunting rates is to enhance the overall quality of health services, particularly in rural and remote areas where access is limited (Bhutta et al., 2020). This strategy includes training more healthcare providers in child nutrition and development, ensuring the availability of essential vitamins and supplements, and implementing regular growth monitoring and screening programs (World Health Organization, 2013). In addition, promoting exclusive breastfeeding during the first six months of life and encouraging correct feeding practices can majorly impact a child's growth and development (Pérez-Escamilla et al., 2019). By prioritizing these interventions and investing in sustainable solutions, Indonesia can substantially progress toward reducing stunting prevalence to 14% by 2024 (Brar et al., 2020).

The findings from this narrative review article offer valuable insights for Indonesian and global communities, highlighting the complexity of the stunting problem and the efforts needed to address it. The impact is not limited to Indonesia; stunting also occurs in various low—and middle-income countries. Understanding the causes of stunting and effective interventions can help other communities adopt similar approaches to improve the health and well-being of their children, as well as inform the global policy development on child nutrition and public health to significantly reduce stunting rates worldwide.

Interventions and Programs to Overcome Stunting

Current interventions and programs in Indonesia include government-led initiatives such as the National Nutrition Communication Campaign and the Integrated Health Post program. These programs aim to increase access to nutritious food, encourage breastfeeding, and provide essential health services for pregnant women and young children (Oddo et al., 2022). In addition, non-governmental organizations and international partners are also implementing various interventions, such as community-based nutrition education programs and micronutrient supplementation initiatives (Sumargi et al., 2014). Despite these efforts, more targeted and comprehensive interventions are still needed to address the root causes of stunting and ensure that all children have the opportunity to thrive (Hyre et al., 2019).

One promising approach to overcoming stunting in children is the integration of nutrition-sensitive agricultural programs. By encouraging the cultivation of diverse and nutrient-rich crops, these programs improve food security and increase access to essential nutrients for pregnant women and young children (Oddo et al., 2022). Additionally, initiatives that focus on improving water,

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sanitation, and hygiene practices can help prevent infections and improve nutrient absorption, further supporting healthy growth and development in children. Collaboration between government agencies, nonprofit organizations, and local communities is essential in effectively implementing a holistic approach to combating stunting in children (Farahdiba et al., 2023).

By collaborating, stakeholders can combine resources and expertise to develop sustainable solutions that tackle the root causes of malnutrition and stunting. These joint efforts also help ensure that interventions are culturally appropriate and customized to the specific needs of each community. Continuous monitoring and evaluation of these programs are essential to identify areas needing improvement and to track progress in reducing child stunting rates. A comprehensive and collaborative approach can significantly enhance children's health and well-being globally. For instance, teams comprising nutritionists, public health experts, and community leaders can collaborate to create programs promoting breastfeeding and educating about balanced diets in rural areas where malnutrition is prevalent. Involving local stakeholders in the planning and implementation phases makes these programs more effective in addressing community-specific challenges and increases the likelihood of sustainable impact. Regular assessments and feedback loops in monitoring program outcomes help identify improvement areas and ensure efficient resource allocation (Satriani et al., 2022).

Evaluating interventions is critical to measuring the program's success and making necessary adjustments. By collecting data on key indicators such as breastfeeding rates, children's nutritional status, and knowledge of balanced eating patterns, we can track progress toward our goals and make informed decisions about how best to support the community (Zaleha & Idris, 2022). Additionally, seeking input from community members and healthcare providers can provide valuable insight into program strengths and weaknesses, allowing us to adjust our approach to better meet the needs of those we serve. Through continuous evaluation and adaptation, we can strive to create sustainable change and improve the health and welfare of village residents (Kusumawardani et al., 2020). For example, by routinely monitoring breastfeeding rates in communities, we can identify areas where additional support or education may be needed to improve infant health outcomes (Hall et al., 2018). Involving local healthcare providers in nutrition education workshops can also help increase knowledge about balanced eating patterns and encourage healthier eating habits among children and families (Otterbach & Rogan, 2019).

Challenges and limitations in implementing interventions include limited resources, cultural beliefs and practices that may impact acceptance of new health initiatives, and potential resistance from community members who may

be skeptical of outside interventions (Johansen et al., 2013). It is essential to approach these challenges with sensitivity and a deep understanding of the local context to develop effective and sustainable solutions (Roslan et al., 2021). Additionally, ongoing communication and collaboration with community leaders and stakeholders will be critical in overcoming these barriers and ensuring the success of interventions (Clark et al., 2019). Addressing these challenges head-on and working closely with communities can create long-term positive changes that will benefit the health and well-being of all village residents (Dibley et al., 2020).

Future Directions to Overcome Stunting

Potential strategies to reduce stunting rates in Indonesia include implementing nutrition education programs, increasing access to affordable and nutritious food, and supporting breastfeeding mothers. In addition, investing in early childhood development programs, encouraging hygiene and sanitation practices, and addressing social and economic factors that contribute to malnutrition can also help reduce stunting rates in Indonesia (Suryana & Azis, 2023). By embracing a holistic and multisectoral approach, stakeholders can collaborate to develop sustainable solutions that tackle the root causes of stunting, thereby enhancing the health and well-being of children in the country (Hidayat & Erlyn, 2021).

These efforts must be supported by a robust monitoring and evaluation system to track progress and identify areas for improvement. Collaboration between government agencies, nonprofit organizations, and community groups will be critical in implementing effective interventions and reaching vulnerable populations (Bach-Mortensen et al., 2018). By prioritizing children's needs and investing in long-term health and development, Indonesia can take significant steps to reduce stunting rates and ensure a brighter future for its young generation. For example, collaborating with the Indonesian government, UNICEF, and local public health officials could implement comprehensive nutrition programs targeting children in rural areas (Brown et al., 2019). These programs can include regular health checks, access to nutritious food, and education for parents on proper feeding practices to address the root causes of stunting and improve children's overall well-being.

The importance of multisectoral collaboration in addressing stunting lies in bringing together government agencies, nonprofit organizations, health service providers, and community members, enabling a more comprehensive approach to tackling the complex factors contributing to stunting (Poole et al., 2018). This collaboration fosters a more coordinated and efficient response, with each sector

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utilizing its unique expertise and resources (Stadtler & Van Wassenhove, 2016). Additionally, by working together, stakeholders can combine their influence to advocate for policy changes and allocate funds toward sustainable solutions for stunting (Baker et al., 2019). Therefore, multisectoral collaboration is crucial for improving the health and well-being of children in Indonesia and implementing long-term changes that benefit the entire community (George et al., 2021).

By fostering partnerships among government agencies, nonprofit organizations, health service providers, and community leaders, a comprehensive strategy can be developed to address the root causes of stunting (Fanzo et al., 2021). Through collaborative efforts in nutrition education, access to clean water, health services, and economic empowerment programs, the complex interactions between social, economic, and environmental factors contributing to stunting can be mitigated (Brar et al., 2020). This holistic approach ensures that no child is left behind and that sustainable solutions are enacted to break the cycle of malnutrition and poverty (Baye, 2017). Ultimately, working together towards common goals can significantly impact the lives of children and families in Indonesia.

Policymakers are crucial in prioritizing stunting prevention by allocating resources, enacting policies, and creating programs to address the root causes of malnutrition (Herawati & Sunjaya, 2022). They have the authority to guide public health initiatives and influence the distribution of funds for nutrition programs (Baker et al., 2018). By recognizing the importance of early intervention and implementing prevention measures, policymakers can help build a more sustainable and equitable future for all children in Indonesia. They must collaborate with various stakeholders, including government agencies, nonprofit organizations, and community leaders, to develop comprehensive strategies catering to vulnerable populations' specific needs (Samson et al., 2016). Through their leadership and dedication to enhancing the health and well-being of all citizens, policymakers can significantly reduce the prevalence of stunting and improve the overall quality of life for Indonesian families (Siswati et al., 2022). For instance, policymakers can partner with nonprofit organizations to implement nutrition programs in rural areas with high stunting rates, ensuring children have access to nutritious food and adequate health services (Fanzo et al., 2021). Working together with community leaders can also address social determinants of health, such as poverty and lack of education, thereby creating a more sustainable future for all children in Indonesia (Taimur & Sattar, 2020).

Conclusion

Overcoming the stunting problem in Indonesia requires cross-sector collaboration from policymakers to community leaders. By focusing on nutrition programs in vulnerable areas and addressing social aspects, major progress can be made in combating stunting and improving the quality of life of Indonesian families. The way forward requires long-term research to monitor program effectiveness, explore cultural influences on diet, and encourage policy changes for access to nutritious food. Involving local communities in creating solutions and raising awareness of the importance of health is critical to addressing this complex problem. With collaboration and commitment, we can have a sustainable positive impact on children and families throughout Indonesia.

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Author's Contribution

This article was solely written by VYL.

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There is nothing to declare.

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Not applicable.

References

Bach-Mortensen, A. M., Lange, B. C. L., & Montgomery, P. (2018). Barriers and facilitators to implementing evidence-based interventions among third sector organisations: A systematic review. *Implementation Science*, *13*, 1-19. https://doi.org/10.1186/s13012-018-0789-7

Baker, P., Brown, A. D., Wingrove, K., Allender, S., Walls, H., Cullerton, K., Lee, A., Demaio, A., & Lawrence, M. (2019). Generating political commitment for ending malnutrition in all its forms: A system dynamics approach for strengthening nutrition actor networks. *Obesity Reviews*, *20*, 30-44. https://doi.org/10.1111/obr.12871

Baker, P., Hawkes, C., Wingrove, K., Demaio, A. R., Parkhurst, J., Thow, A. M., & Walls, H. (2018). What drives political commitment for nutrition? A review and framework synthesis to inform the United Nations Decade of Action on Nutrition. *BMJ Global Health*, *3*(1), e000485. https://doi.org/10.1136/bmjgh-2017-000485

Baye, K. (2017). The Sustainable Development Goals cannot be achieved without improving maternal and child nutrition. *Journal of Public Health Policy*, *38*, 137-145. https://doi.org/10.1057/s41271-016-0043-y

Bhutta, Z. A., Akseer, N., Keats, E. C., Vaivada, T., Baker, S., Horton, S. E., Katz, J., Menon, P., Piwoz, E., & Shekar, M. (2020). How countries can reduce child stunting at scale: Lessons from exemplar countries. *The American Journal of Clinical Nutrition*, *112*, 894S-904S. https://doi.org/10.1093/ajcn/nqaa153

Brar, S., Akseer, N., Sall, M., Conway, K., Diouf, I., Everett, K., Islam, M., Sène, P. I. S., Tasic, H., & Wigle, J. (2020). Drivers of stunting reduction in Senegal: A country case study. *The American Journal of Clinical Nutrition*, *112*, 860S-874S. https://doi.org/10.1093/ajcn/nqaa151

Brown, M. E., Rizzuto, T., & Singh, P. (2019). Strategic compatibility, collaboration and collective impact for community change. *Leadership & Organization Development Journal*, *40*(4), 421-434. https://doi.org/10.1108/LODJ-05-2018-0180

Clark, L. T., Watkins, L., Piña, I. L., Elmer, M., Akinboboye, O., Gorham, M., Jamerson, B., McCullough, C., Pierre, C., & Polis, A. B. (2019). Increasing diversity in clinical trials: Overcoming critical barriers. *Current Problems in Cardiology*, *44*(5), 148-172. https://doi.org/10.1016/j.cpcardiol.2018.11.002

De Onis, M., & Branca, F. (2016). Childhood stunting: A global perspective. *Maternal & Child Nutrition*, *12*, 12-26. https://doi.org/10.1111/mcn.12231

Dibley, M. J., Alam, A., Fahmida, U., Ariawan, I., Titaley, C. R., Htet, M. K., Damayanti, R., Li, M., Sutrisna, A., & Ferguson, E. (2020). Evaluation of a package of behaviour change interventions (Baduta Program) to improve maternal and child nutrition in East Java, Indonesia: Protocol for an impact study. *JMIR Research Protocols*, *9*(9), e18521. https://doi.org/10.2196/18521

Fanzo, J., Shawar, Y. R., Shyam, T., Das, S., & Shiffman, J. (2021). Challenges to establish effective public-private partnerships to address malnutrition in all its forms. *International Journal of Health Policy and Management*, *10*(12), 934-945. https://doi.org/10.34172%2Fijhpm.2020.262

Farahdiba, A. U., Warmadewanthi, I., Fransiscus, Y., Rosyidah, E., Hermana, J., & Yuniarto, A. (2023). The present and proposed sustainable food waste treatment technology in Indonesia: A review. *Environmental Technology & Innovation*, *32*, 103256. https://doi.org/10.1016/j.eti.2023.103256

George, A., Jacobs, T., Ved, R., Jacobs, T., Rasanathan, K., & Zaidi, S. A. (2021). Adolescent health in the Sustainable Development Goal era: Are we aligned for multisectoral action? *BMJ Global Health*, *6*(3), e004448. https://doi.org/10.1136/bmjgh-2020-004448

Hall, C., Syafiq, A., Crookston, B., Bennett, C., Hasan, M. R., Linehan, M., West, J., Torres, S., & Dearden, K. (2018). Addressing communications campaign development challenges to reduce stunting in Indonesia. *Health*, *10*(12), 1764-1778. https://doi.org/10.4236/health.2018.1012133

Herawati, D. M. D., & Sunjaya, D. K. (2022). Implementation outcomes of National Convergence Action Policy to accelerate stunting prevention and reduction at the local level in Indonesia: A qualitative study. *International Journal of Environmental Research and Public Health*, *19*(20), 13591. https://doi.org/10.3390/ijerph192013591

Hidayat, B. A., & Erlyn, P. (2021). Stunting and poverty management strategies in the Palembang City, Indonesia. *Randwick International of Social Science Journal*, *2*(2), 86-99. https://doi.org/10.47175/rissj.v2i2.218

Hyre, A., Caiola, N., Amelia, D., Gandawidjaja, T., Markus, S., & Baharuddin, M. (2019). Expanding maternal and neonatal survival in Indonesia: A program overview. *International Journal of Gynecology & Obstetrics*, *144*, 7-12. https://doi.org/10.1002/ijgo.12730

Johansen, R. E. B., Diop, N. J., Laverack, G., & Leye, E. (2013). What works and what does not: A discussion of popular approaches for the abandonment of female genital mutilation. *Obstetrics and Gynecology International*, *2013*(1), 348248. https://doi.org/10.1155/2013/348248

Kinyoki, D. K., Osgood-Zimmerman, A. E., Pickering, B. V., Schaeffer, L. E., Marczak, L. B., Lazzar-Atwood, A., Collison, M. L., Henry, N. J., Abebe, Z., Adamu, A. A., Adekanmbi, V., Ahmadi, K., Ajumobi, O., Al-Eyadhy, A., Al-Raddadi, R. M., Alahdab, F., Alijanzadeh, M., Alipour, V., Altirkawi, K., . . . Local Burden of Disease Child Growth Failure, C. (2020). Mapping child growth failure across low- and middle-income countries. *Nature*, *577*(7789), 231-234. https://doi.org/10.1038/s41586-019-1878-8

Kusumawardani, L. H., Rachmawati, U., Jauhar, M., & Rohana, I. G. A. P. D. (2020). Community-based stunting intervention strategies: Literature review. *Dunia Keperawatan: Jurnal Keperawatan dan Kesehatan*, *8*(2), 259-268. https://doi.org/10.20527/dk.v8i2.8555

Leroy, J. L., Frongillo, E. A., Dewan, P., Black, M. M., & Waterland, R. A. (2020). Can children catch up from the consequences of undernourishment? Evidence from child linear growth, developmental epigenetics, and brain and neurocognitive development. *Advances in Nutrition*, *11*(4), 1032-1041. https://doi.org/10.1093/advances/nmaa020

Mediani, H. S. (2020). Predictors of stunting among children under five year of age in Indonesia: A scoping review. *Global Journal of Health Science*, *12*(8), 83-95. https://doi.org/10.5539/gjhs.v12n8p83

Mediani, H. S., Hendrawati, S., Pahria, T., Mediawati, A. S., & Suryani, M. (2022). Factors affecting the knowledge and motivation of health cadres in stunting prevention among children in Indonesia. *Journal of Multidisciplinary Healthcare*, *15*, 1069-1082. https://doi.org/10.2147/JMDH.S356736

Oddo, V. M., Roshita, A., Khan, M. T., Ariawan, I., Wiradnyani, L. A. A., Chakrabarti, S., Izwardy, D., & Rah, J. H. (2022). Evidence-based nutrition interventions improved adolescents' knowledge and behaviors in Indonesia. *Nutrients*, *14*(9), 1717. https://doi.org/10.3390/nu14091717

Otterbach, S., & Rogan, M. (2019). Exploring spatial differences in the risk of child stunting: Evidence from a South African national panel survey. *Journal of Rural Studies*, *65*, 65-78. https://doi.org/10.1016/j.jrurstud.2018.11.006

Pérez-Escamilla, R., Buccini, G. S., Segura-Pérez, S., & Piwoz, E. (2019). Perspective: should exclusive breastfeeding still be recommended for 6 months? *Advances in Nutrition*, *10*(6), 931-943. https://doi.org/10.1093/advances/nmz039

Poole, N., Echavez, C., & Rowland, D. (2018). Are agriculture and nutrition policies and practice coherent? Stakeholder evidence from Afghanistan. *Food Security*, *10*(6), 1577-1601. https://doi.org/10.1007/s12571-018-0851-y

Purwita, E. (2022). Determinants of stunting in children under five in rural areas. *Science Midwifery*, *10*(4), 2858-2865. https://doi.org/10.35335/midwifery.v10i4.729

Roslan, A. F., Fernando, T., Biscaya, S., & Sulaiman, N. (2021). Transformation towards risk-sensitive urban development: A systematic review of the issues and challenges. *Sustainability*, *13*(19), 10631. https://doi.org/10.3390/su131910631

Samson, M., Fajth, G., & François, D. (2016). Cognitive capital, equity and child-sensitive social protection in Asia and the Pacific. *BMJ Global Health*, *1*(Suppl 2). https://doi.org/10.1136/bmjgh-2016-000191

Satriani, S., Ilma, I. S., & Daniel, D. (2022). Trends of water, sanitation, and hygiene (WASH) research in Indonesia: A systematic review. *International Journal of Environmental Research and Public Health*, *19*(3), 1617. https://doi.org/10.3390/ijerph19031617

Siswati, T., Iskandar, S., Pramestuti, N., Raharjo, J., Rubaya, A. K., & Wiratama, B. S. (2022). Drivers of stunting reduction in Yogyakarta, Indonesia: A case study. *International Journal of Environmental Research and Public Health*, *19*(24), 16497. https://doi.org/10.3390/ijerph192416497

Ssentongo, P., Ssentongo, A. E., Ba, D. M., Ericson, J. E., Na, M., Gao, X., Fronterre, C., Chinchilli, V. M., & Schiff, S. J. (2021). Global, regional and national epidemiology and prevalence of child stunting, wasting and underweight in low-and middle-income countries, 2006–2018. *Scientific Reports*, *11*(1), 5204. https://doi.org/10.1038/s41598-021-84302-w

Stadtler, L., & Van Wassenhove, L. N. (2016). Coopetition as a paradox: Integrative approaches in a multi-company, cross-sector partnership. *Organization Studies*, *37*(5), 655-685. https://doi.org/10.1177/0170840615622066

Sumargi, A., Sofronoff, K., & Morawska, A. (2014). Parenting practices and parenting programs in Indonesia: A literature review and current evidence. *ANIMA Indonesian Psychological Journal*, *29*(4), 186-198.

Suryana, E. A., & Azis, M. (2023). The potential of economic loss due to stunting in Indonesia. *Jurnal Ekonomi Kesehatan Indonesia*, *8*(1), 52-65.

Taimur, S., & Sattar, H. (2020). Education for sustainable development and critical thinking competency. In W. Leal Filho, A. M. Azul, L. Brandli, P. G. Özuyar, & T. Wall (Eds.), *Quality Education* (pp. 238-248). Springer International Publishing. https://doi.org/10.1007/978-3-319-95870-5_64

Titaley, C. R., Ariawan, I., Hapsari, D., Muasyaroh, A., & Dibley, M. J. (2019). Determinants of the stunting of children under two years old in Indonesia: A multilevel analysis of the 2013 Indonesia basic health survey. *Nutrients*, *11*(5), 1106. https://doi.org/10.3390/nu11051106

Torlesse, H., Cronin, A. A., Sebayang, S. K., & Nandy, R. (2016). Determinants of stunting in Indonesian children: evidence from a cross-sectional survey indicate a prominent role for the water, sanitation and hygiene sector in stunting reduction. *BMC Public Health*, *16*, 669. https://doi.org/10.1186/s12889-016-3339-8

World Bank Group. (2019). *Sustainable development goals*. https://documents1.worldbank.org/curated/en/106391567056944729/pdf/World-Bank-Group-Partnership-Fund-for-the-Sustainable-Development-Goals-Annual-Report-2019.pdf

World Health Organization. (2013). *Essential nutrition actions: Improving maternal, newborn, infant and young child health and nutrition*. World Health Organization. https://www.who.int/publications/i/item/9789241505550

Wuehler, S. E., Hess, S. Y., & Brown, K. H. (2011). Accelerating improvements in nutritional and health status of young children in the Sahel region of Sub-Saharan Africa: Review of international guidelines on infant and young child feeding and nutrition. *Maternal & Child Nutrition*, *7*, 6-34. https://doi.org/10.1111/j.1740-8709.2010.00306.x

Wulandari, R. D., Laksono, A. D., Kusrini, I., & Tahangnacca, M. (2022). The targets for stunting prevention policies in Papua, Indonesia: What mothers' characteristics matter? *Nutrients*, *14*(3), 549. https://doi.org/10.3390/nu14030549

Zaleha, S., & Idris, H. (2022). Implementation of stunting program in Indonesia: A narrative review. *Indonesian Journal of Health Administration*, *10*(1), 143-151. https://doi.org/10.20473/jaki.v10i1.2022.143-151

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